

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the Application. Deletions are ~~struck through~~ and additions are underlined

Claims 1 – 27 (Canceled)

28. (New) A method of obtaining amygdalin comprising the steps of;
- a). obtaining a seed from a fruit of the genus *Prunus*,
 - b). drying the seed,
 - c). mixing dried seed with an extraction solvent,
 - d). extracting the dried seed with an extraction method for a period of time,
 - e). filtering extraction solvent and obtaining a supernatant,
 - f). concentrating supernatant,
 - g). drying concentrated supernatant, and
 - h). obtaining a dried extract of the seed from the fruit of the genus *Prunus*.
29. (New) The method of Claim 28, further comprising the steps of;
- i). mixing the dried extract of the seed from the fruit of the genus *Prunus* in water,
 - j). mixing water suspension of seed extract with a non-polar solvent,
 - k). allowing water and non-polar solvent to separate
 - l). removing non-polar solvent fraction
 - m). retaining water soluble fraction
 - n). processing water soluble fraction with HPLC to obtain amygdalin abundant fraction.
30. (New) The method of Claim 28, where the fruit of the genus *Prunus* is selected from the group consisting of *Prunus Persicae* and *Prunus Armenicae*

31. (New) The method of Claim 28, where the seed is unhusked.
32. (New) The method of Claim 28, further comprising the step between step b) and step c) of processing the dried seed by a method selected from the group consisting of powdering, crushing, cutting in pieces smaller than half, and cutting in pieces approximately half of seed.
33. (New) The method of Claim 28, where the extraction solvent in step c) is selected from the group consisting of distilled water, lower alcohols, methanol, ethanol, butanol, and mixtures thereof.
34. (New) The method of Claim 28, where the ratio of dried seed to extraction solvent is 1:5 to 1:20.
35. (New) The method of Claim 34, where the ratio of dried seed to extraction solvent is 1:10 to 1:15.
36. (New) The method of Claim 28, where the extraction solvent is water.
37. (New) The method of Claim 36, where the water contains at least one acid selected from the group consisting of citric acid, acetic acid, and ascorbic acid.
38. (New) The method of Claim 37, where the water contains 0.05% to 0.5% citric acid.
39. (New) The method of Claim 38, where the water contains about 0.1% citric acid.
40. (New) The method of Claim 36, where the water is at or above 100° C.
41. (New) The method of Claim 28, where the extraction solvent is methanol.
42. (New) The method of Claim 41, where the methanol is at or above 64° C

43. (New) The method of Claim 28, where the period of time in step c) is 30 minutes to 6 hours.
44. (New) The method of Claim 28, where the extraction method in step d) is selected from the group consisting of hot water, cold water, reflux, and ultra-sonication extraction.
45. (New) The method of Claim 28, where step d) is repeated 1 to 5 times.
46. (New) The method of Claim 45, where step d) is repeated 2 to 3 times.
47. (New) The method of Claim 28, where the concentrating in step f) is with a rotary evaporator.
48. (New) The method of Claim 28, where the drying in step g) is by a method selected from the group consisting of vacuum freeze-drying, hot air-drying and spray drying.
49. (New) The method of Claim 29, where the ratio of water suspension of seed extract to non-polar solvent in step j) is 1:1 to 1:100.
50. (New) The method of Claim 49, where the ratio of water suspension of seed extract to non-polar solvent in step j) is 1:1 to 1:5.
51. (New) The method of Claim 29, where the non-polar solvent is selected from the group consisting of ethyl acetate, chloroform, and hexane.
52. (New) The method of Claim 29, where steps j) to m) are repeated 1 to 10 times.
53. (New) The method of Claim 52, where steps j) to m) are repeated 2 to 5 times.